YNK-DBR No. 188
Date 30.01.2021

Original/Duplicate/Triplicate

AEE, YSTSD
SBR No: 40/20-21
Date: 21/1/2021

CONTRACT CERTIFICATE

(For Other Works)

2nd and Final Bill
Division: EE Yalahanka Division P-3744 Sub division: AEE Yalahanka Division
Work Order No:- 004-20-000029

Bill Received No. ..... Date ..... Cash Book Voucher No ..... dated .....
Scheduled Docted No. Head of Account:
Name of Work (as per sanctioned estimate): **Name of Work: :Improvements to Roads, drains and other developmental works in ward No-03 & 04. Under road development head in Chief Minister Nava Nagarothan Grants of Yalahanka divison. (Package - 04)**

Name of Contractor and Full Address: **Sri. B B Umesh (M/s SMLP Asphalts)**
Reference to Aggrement No. **BBMP/EE/Ynk D / E-PMT-12/AG/225/2019-20, 20-03-2020**

Certified that the measurement were taken by me on 15/01/2021 and recorded of pages 369 to 370 in 369/829

Contractor

Officer-In-Charge of work

Certified that the measurements were taken by me on 15/01/2021 are found correct and the work is

Total Amount 139657544=00

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the

II Memorandum of Payment previous payment 62380114 Sub-Division Office

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being ..... percent Rs .....
3) Deduct amount to be held in Balance
4) Deduct Payments:
   a) Amount of previous payment as in the office Cash Book Voucher No ..... Dated ..... S.D No .....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the Office Cash Book Voucher No ..... dated ..... less adjustments
7) Net amount due to or from contractor
   Unadjusted items
8) Advance to contractor for materials brought to site (as detailed) with
   Value of Government materials supplied

Now paid

Gross Amt =Rs	77277430=00
FSD =Rs	—
CGST = Rs	6899778=00
SGST = Rs	6899778=00
IT = Rs	2169351=00
LC = Rs	772775=00
CBF = Rs	772777=00
Royalty =Rs	6909976=00
T.D. = Rs	50903335=00
Net Amt = Rs	72187095=00

Contractor's Signature

Received **Rs.**

by cash and by adjustment of Payment as per memorandum.
Witnesses:
1
2
Dated ..... Signature of Contractor

Stamp

Paid by me by cheque No ..... dated .....
Cast Rs ..... dated .....

Initials of Officer making payment

(For use in the Office)

Audited & Admitted for Rs. 77277430=00
Seven Crore Seventy two Lakh Seventy Seven Thousand four hundred & thirty only.
and Rs. 72187095=00 by Cheque
and Rs. 50903335=00 by Government

Executive Engineer

Accts Supdt
yelahanka Division
BBMP

Exe. Engineer
yelahanka Division
BBMP

BRUHATH BENGALORE MAHANAGARA PALIKE

Executive Engineer Yelhanka Devision

Aggrement No. BBMP/EE/Ynk D / E-PMT-12/AG/225/2019-20,20-03-2020

Work Order No. BBMP/EE/Ynk D / WO /261/ 2019-20, Date- 21/03/2020

Job Code / Indent No :- 004-20-000029

ABSTRACT OF BILL -

Name of Work: :Improvements to Roads, drains and othar developmental works in ward No-03 & 04. Under road development head in Chief Minister Nava Nagarothan Grants of Yalahanka divison. (Package - 04)

Name of Agency: Sri. B B Umesh (M/s SMLP Asphalts)

Item No	Description of Item	unit	Modified schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush,shrubs, saplings and trees of girth upto 300mm, by manual means of light jungle, removel of stumps,disposal unserviceable materials,stacking of serviceable materials,labour charges complete as per specifications MORTH Chapter-2	Sqm	15.00	11.13	166.93	15.00	166.95	0.00	0.00	15.00	166.95
2	KSRRB M300-49. Scarifying bituminous course 50mm to 75mm thick allong the premix carpet surface dressing by manual means without disturbing the base and stacking of the debris materials including the cost of all labour charges complete as per specification. MORTH / Chapter 3 **Quantity Up to 125%**	Sqm	1,418.75	100.17	1,42,116.19	859.13	86,058.55	559.63	56,057.64	1,418.75	1,42,116.19
	Quantity Above 125%	Sqm	4,505.29	100.17	4,51,295.30	0.00	0.00	4,503.65	4,51,130.12	4,503.65	4,51,130.12
3	KSRRB M300-49. Scarifying stone metal crust 50mm to 100mm thick with pick axes along the premix carpet/surface dressing and stacking of old seerviceable materials by manuals means including cost of all labour charges complete as per specification. MORTH / Chapter 3	Sqm	859.14	89.04	76,498.18	859.13	76,496.49	0.00	0.00	859.13	76,496.49
4	Ksrrb M300-59.2. Loosening, Levelling And Compacting Origial Ground Supporting Embankment To Facilitate Placement Of First Layer Of Embankment, Scarified To A Depth Of 150mm, Mixed With Water At Omc And Then Compacted By Rolling So As To Achieve Minimum Dry Density As Given In Table 300-2 For Embankment Construction. Complete As Per Specifications. Case-Ii Compacting Original Ground Supporting Embankment.(Which Includes Watering Charges & Compaction By Vibratory Roller) Morth Specification No. 305.3.4. **Quantity Up to 125%**	Sqm	6,592.61	25.60	1,68,770.82	2,413.24	61,779.01	4,179.37	1,06,991.81	6,592.61	1,68,770.82
	Quantity Above 125%	Sqm	1,077.18	25.60	27,575.77			1,077.18	27,575.87	1,077.18	27,575.87
5	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting loading and with cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 **Quantity Up to 125%**	Cum	791.69	45.63	36,124.81	466.24	21,274.31	325.45	14,850.50	791.69	36,124.81
	Quantity Above 125%	Cum	4,854.29	45.63	2,07,812.14		0.00	4,591.35	2,07,677.99	4,551.35	2,07,6[illegible]5

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ward No-03 & 04. Under road development head in Ch

Present Measurements		Total upto date	
Qty	Amount	Qty	Amount

Name of Work: :Improvements to Roads, drains and othar developmental works in ward No-03 & 04. Under road development head in Chief Minister Nava Nagarothan Grants of Yalahanka divison. (Ward No-03 - 04)

Name of Agency: Sri. B B Umesh (M/s SMLP Asphalts)

Item No	Description of Item	unit	Modified schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
6	KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301	Cum	411.97	36.73	15,131.57	411.93	15,130.27	0.00	0.00	411.93	15,130.27
7	Construction of granular sub-base Grading-V as sub-base and drainage layer by by providing Coarse graded material, speading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve 98% proctor density, complete as perspecification. Clause 4010 of MORTH V Revision. **Quantity Up to 125%**	Cum	235.58	1,947.75	4,58,850.95	128.87	2,51,004.11	106.71	2,07,846.84	235.58	4,58,850.95
	Quantity Above 125%	Cum	681.83	1,947.75	13,28,027.76			681.77	13,27,914.11	681.77	13,27,914.11
8	KSRRB M400-17. Providing, laying,spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired surface and compacting with vibratory roller to achive the desired density complete as per specifications.MORTH Specification No.406. **Quantity Up to 125%**	Cum	1,648.51	2,101.34	34,64,080.00	1,306.24	27,44,852.26	342.27	7,19,227.74	1,648.51	34,64,080.00
	Quantity Above 125%	Cum	3,101.62	2,101.34	65,17,551.34			3,101.69	65,17,697.17 (6517558.17)	3,101.69	65,17,697.17
9	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Specification clause 501.	Sqm	68,948.41	5.57	3,84,042.62	33,290.86	1,85,430.09	35,657.55	1,98,612.53	68,948.41	3,84,042.62
10	KSRRB M500-6.Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V. **Quantity Up to 125%**	Sqm	7,633.90	35.62	2,71,919.52	6,107.12	2,17,535.61	1,526.78	54,383.90	7,633.90	2,71,919.52
	Quantity Above 125%	Sqm	16,645.89	35.62	5,92,926.42			16,647.04	5,92,967.39 (5929666.14)	16,647.04	5,92,967.39
11	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5.	Sqm	1,01,863.84	13.36	13,60,900.84	41,924.24	5,60,107.85	58,678.44	7,83,944.01	1,00,602.68	13,44,051.85

Name of Work: :Improvements to Roads, drains and othar developmental works in ward No-03 & 04. Under road development head in Chief Minister Nava Nagarothan Grants of Yalahanka divison. (Package - 04)

Name of Agency: Sri. B B Umesh (M/s SMLP Asphalts)

Item No	Description of Item	unit	Modified schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
12	SRRB 500-17 Provding and laying dense geaded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision 21.17.6 -do- using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75mm) with 4.5 % VG-30 Bitumen. **Quantity Up to 125%**	Cum	963.45	8,001.36	77,08,910.29	490.92	39,28,039.65	472.53	37,80,870.64	963.45	77,08,910.29
	Quantity Above 125%	Cum	276.13	8,001.36	22,09,437.54			276.22	22,10,149.66	276.22	22,10,149.66
13	21.78.12 Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laing with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015 ,using 40-60 TPH capacity HMP with mechanical paver II(30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 bituminous (60/70grade) and 0.43% of plastomeric thermoplastics (Waste plastic)	Cum	4,074.44	9,134.39	3,72,17,542.26	1,676.97	1,53,18,094.34	2,397.48	2,18,99,483.54	4,074.45	3,72,17,577.88
14	Construction of Dry Lean Cement Concrete mix CC 1:5:10 with OPC cement @160kgs with 25mm and down size graded granite metal coarse aggregate @ 0.86 cum and fine aggregate@0.58cum sub base over a prepared sub-grade with (coarse and fine aggregate confirming to IS383)aggregate cement ratio not to exceed 15:1aggregate gradation after blending to be as per table 600-1 cement content not to be less than 160kg per cum optimum moisture content to be length construction, concrete strength not to be less than 10Mpa @ 7 days mixed in a batching plant transported to site with a paver with electronic sensor compacting with 8 to 10 ton vibratory roller finishing and curing complete as per specification.MORTH Specification No.601. of MORTH V Revision and IS 456 Table-5. 22.1.1 do with OPC at 150kg/cum and coarse aggregate 0.58cum using concrete batch mix plant at 75 cum/hr capacity with slip form paver with electronic sensor. **Quantity Up to 125%**	Cum	310.75	3,990.11	12,39,926.68	233.12	9,30,164.97	77.63	3,09,761.72	310.75	12,39,926.68
	Quantity Above 125%	Cum	78.09	3,990.11	3,11,604.65			78.08	3,11,534.32	78.08	3,11,534.32

Name of Work: :Improvements to Roads, drains and othar developmental works in ward No-03 & 04. Under road development head in Chief Minister Nava Nagarothan Grants of Yalahanka divison. (Pack - 04)

Name of Agency: Sri. B B Umesh (M/s SMLP Asphalts)

Item No	Description of Item	unit	Modified schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
15	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46um,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum.	Cum	388.84	5,471.51	21,27,565.20	233.12	12,75,505.42	155.71	8,51,963.35	388.83	21,27,468.77
16	KSRRB M800-35. Supply and Installation of Moulded Shank /raised Pavement Markers made of polycarbonate and ABS (Acrylonitrile Butadiene Styrne) moulded body and reflective pane;s with micro prismatic lens capable of provididng tital internal reflection of the light enerting the lens face and shall support a load of 16000 kg tested in accorande to Specifications of Catergory A of MORTH Circular No RW/NH/33023/10-97-DO III Dt 11.06.1997. The height, width and lengh shall not exceed 50mm, 100mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slpoe to the base shall shanks, (of diameter not less than 19mm and height not less than 30 mm)nfrommthe body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, wihtout nails and using epoxy resin base;d adhesive as per manufaturer's recommendaion and complete as directed by the engineer. **Quantity Up to 125%**	No's	1,453.75	375.08	5,45,272.55	1,163.00	4,36,218.04	290.75	1,09,054.51	1,453.75	5,45,272.55
	Quantity Above 125%	No's	546.25	375.08	2,04,887.45			546.05	2,04,812.43	546.05	2,04,812.43
17	KSRRB M800-13. Road Marking with Hot Applied Thermoplastic Compound Reflectrising Glass Beads on Bituminous Surface / Concrete Surface .Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standars specified.The finished surface to be level, uniform and free from streaks and holes complete as per Specifications. MORTH Specification No.803	Sqm	4,809.76	477.48	22,96,564.20	2,538.05	12,11,868.11	2,271.71	10,84,696.09	4,809.76	22,96,564.20

Name of Work: Improvements to Roads, drains and othar developmental works in ward No-03 & 04. Under road development head in Chief Minister Nava Nagarothan Grants of Yalahanka divison. (Package - 04)

Name of Agency: Sri. B B Umesh (M/s SMLP Asphalts)

Item No	Description of Item	unit	Modified schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
18	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete I masonry I asbestos cement sheet I plastered surfaces including prepiring the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications	Sqm	0.00	41.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	KSRB 15-19.1 : Providing and applying spray painting (excluding prime coat) over concrete I masonry I asbestos cement sheet I plastered surfaces including prepiring the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications	Sqm	0.00	61.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	Supply and fixing of Retro Reflective Single Arrow Road Name Signboard of size 1600mm x 900mm made out of retro reflective sheeting conforming to Type XI standards of ASTM D 4956 - 09 & as per IRC 67-2012 for full back	Sqm	164.16	14,799.56	24,29,495.77	0.00	0.00	164.16	24,29,495.77	164.16	24,29,495.77
21	Supply and fixing Medium duty SFRC Frame and cover confirming to IS:12592:(Part-I)-1988 and IS12592: Part(II)-1991 with latest amendment , including cutting slabs to the required size for the opening and fixing the cover	Sqm	0.00	2,313.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	Providing laying plain/ reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43cum machine mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specification	Cum	7.50	7,637.41	57,303.49	7.50	57,280.58	0.00	0.00	7.50	57,280.58
23	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1	Cum	5,003.57	63.44	3,17,426.40	1,138.37	72,217.89	3,863.05	2,45,071.84	5,001.41	3,17,289.74
24	KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-1 : Surface Road	t.km	78,055.67	2.23	1,74,064.15	17,758.50	39,601.45	60,297.17	1,34,462.69	78,055.67	1,74,064.14
25	KSRRB M2900- PCC 1:3:6 in Foundation KSRRB M2900-1 Plain cement concrete M10 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications MORTH Specification No. 408	Cum	121.06	4,703.54	5,69,410.55	123.41	5,80,473.28	0.00	0.00	123.41	5,80,473.28

Name of Work: :Improvements to Roads, drains and othar developmental works in ward No-03 & 04. Under road development head in Chief Minister Nava Nagarothan Grants of Yalahanka division. (Ward - 04)

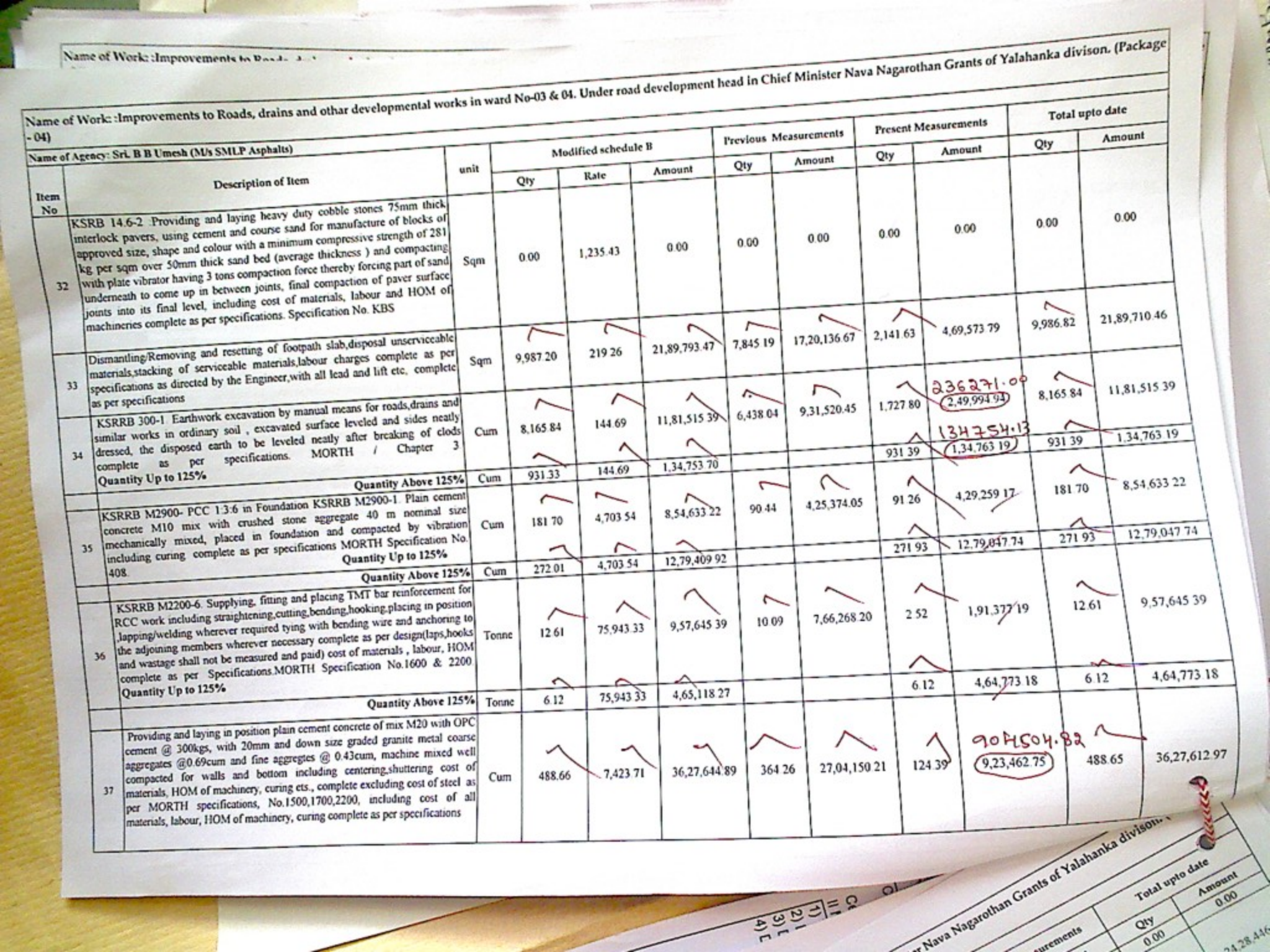
Name of Agency: Sri. B B Umesh (M/s SMLP Asphalts)

Item No	Description of Item	unit	Modified schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
26	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete	No's	13,448.89	454.10	61,07,140.44	9,305.00	42,25,400.50	4,143.78	18,81,689.49	13,448.78	61,07,089.99
27	Removing and resetting of kerb stones.	m	5,859.50	110.19	6,45,658.31	2,786.10	3,07,000.36	3,072.90	3,38,602.85	5,859.00	6,45,603.21
28	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8. **Quantity Up to 125%**	Sqm	3,952.75	89.04	3,51,952.86	2,756.84	2,45,469.03	1,195.91	1,06,483.83	3,952.75	3,51,952.86
	Quantity Above 125%	Sqm	778.97	89.04	69,359.49			778.85	69,348.80	778.85	69,348.80
29	KSRRB M300-59.2. Loosening, levelling and compacting origial ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150mm, mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in Table 300-2 for embankment construction. complete as per specifications. Case-II. Compacting original ground supporting embankment.(which includes watering charges & compaction by vibratory roller) MORTH Specification No. 305.3.4	Cum	1,230.04	25.60	31,489.00	303.60	7,772.16	926.24	23,711.83	1,229.84	31,483.99
30	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406. **Quantity Up to 125%**	Cum	1,125.75	2,101.34	23,65,583.51	894.84	18,80,373.38	230.91 225.15	4,85,210.12 473116.70	1,125.75	23,65,583.51
	Quantity Above 125%	Cum	439.03	2,101.34	9,22,550.67			438.99	9,22,462.47	438.99	9,22,462.47
31	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS.	Sqm	3,200.58	1,171.99	37,51,047.75	288.00	3,37,533.12	2,912.58	34,13,511.70	3,200.58	37,51,044.82

Name of Work: :Improvements to Roads, drains and othar developmental works in ward No-03 & 04. Under road development head in Chief Minister Nava Nagarothan Grants of Yalahanka divison. (Package - 04)

Name of Agency: Sri. B B Umesh (M/s SMLP Asphalts)

Item No	Description of Item	unit	Modified schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
32	KSRB 14.6-2 Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS	Sqm	0.00	1,235.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	Dismantling/Removing and resetting of footpath slab,disposal unserviceable materials,stacking of serviceable materials,labour charges complete as per specifications as directed by the Engineer,with all lead and lift etc, complete as per specifications	Sqm	9,987.20	219.26	21,89,793.47	7,845.19	17,20,136.67	2,141.63	4,69,573.79	9,986.82	21,89,710.46
34	KSRRB 300-1 Earthwork excavation by manual means for roads,drains and similar works in ordinary soil , excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum	8,165.84	144.69	11,81,515.39	6,438.04	9,31,520.45	1,727.80	2,36,271.00 2,49,994.94	8,165.84	11,81,515.39
	Quantity Up to 125%							931.39	1,34,754.13 1,34,763.19	931.39	1,34,763.19
	Quantity Above 125%	Cum	931.33	144.69	1,34,753.70						
35	KSRRB M2900- PCC 1:3:6 in Foundation KSRRB M2900-1 Plain cement concrete M10 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications MORTH Specification No. 408.	Cum	181.70	4,703.54	8,54,633.22	90.44	4,25,374.05	91.26	4,29,259.17	181.70	8,54,633.22
	Quantity Up to 125%							271.93	12,79,047.74	271.93	12,79,047.74
	Quantity Above 125%	Cum	272.01	4,703.54	12,79,409.92						
36	KSRRB M2200-6. Supplying, fitting and placing TMT bar reinforcement for RCC work including straightening,cutting,bending,hooking,placing in position ,lapping/welding wherever required tying with bending wire and anchoring to the adjoining members wherever necessary complete as per design(laps,hooks and wastage shall not be measured and paid) cost of materials , labour, HOM complete as per Specifications.MORTH Specification No.1600 & 2200	Tonne	12.61	75,943.33	9,57,645.39	10.09	7,66,268.20	2.52	1,91,377.19	12.61	9,57,645.39
	Quantity Up to 125%							6.12	4,64,773.18	6.12	4,64,773.18
	Quantity Above 125%	Tonne	6.12	75,943.33	4,65,118.27						
37	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed well compacted for walls and bottom including centering,shuttering cost of materials, HOM of machinery, curing ets., complete excluding cost of steel as per MORTH specifications, No.1500,1700,2200, including cost of all materials, labour, HOM of machinery, curing complete as per specifications	Cum	488.66	7,423.71	36,27,644.89	364.26	27,04,150.21	124.39	9,04,504.82 9,23,462.75	488.65	36,27,612.97



Name of Work: :Improvements to Roads, drains and othar developmental works in ward No-03 & 04. Under road development head in Chief Minister Nava Nagarothan Grants of Yalahanka division. (Ward - 04)

Name of Agency: Sri. B B Umesh (M/s SMLP Asphalts)

Item No	Description of Item	unit	Modified schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
38	Removing B.S slab of drain and stacking	Sqm	0.00	110.19	0.00	0.00		0.00	0.00	0.00	0.00
39	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate enclosed)	Sqm	9,140.10	2,453.85	2,24,28,441.75	5,278.92	1,29,53,677.84	3,861.19	94,74,768.81	9,140.11	2,24,28,446.6
40	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	414.61	5,688.90	23,58,674.83	63.96	3,63,862.04	350.66	19,94,841.23	414.62	23,58,703.27
41	Removing and Refixing stone slabs of drain and pointing in C.M(1:3)	Sqm	4,829.01	110.25	5,32,398.68	2,256.67	2,48,797.32	2,572.35	2,83,601.59	4,829.02	5,32,398.90
42	KSRRB M200-15.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry. A. Rubble Stone masonry in lime mortar MORTH Specification No. 202	Cum	0.00	321.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	KSRRB M200-26. Dismantling Kerb stone by manual means and disposal of dismantled materials with all lifts and complete as per specifications. MORTH Specification No. 202	m	5,833.30	13.36	77,932.89	4,087.30	54,606.33	1,746.00	23,326.56	5,833.30	77,932.89
44	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202	Cum	777.49	1,000.59	7,77,950.54	466.24	4,66,510.33	311.07	3,11,253.53	777.31	7,77,763.86
45	KSRRB 300-1. Earthwork excavation by manual means for roads,drains and similar works in ordinary soil excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum	0.00	144.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m and lift 1.5m. complete as per specifications. specification. a) 40mm Jelly	Cum	0.00	1,996.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Name of Work: :Improvements to Roads, drains and othar developmental works in ward No-03 & 04. Under road development head in Chief Minister Nava Nagarothan Grants of Yalahanka divison. (Package - 04)

Name of Agency: Sri. B B Umesh (M/s SMLP Asphalts)

Item No	Description of Item	unit	Modified schedule B			Previous Measurements		Present Measurements		Total upto date	
			Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
47	Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m and lift 1.5m. complete as per specifications. specification. b) 20mm Jelly	Cum	0.00	1,996.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m and lift 1.5m. complete as per specifications. specification. c) Course sand	Cum	0.00	2,783.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m and lift 1.5m. complete as per specifications. specification. d)Fine sand	Cum	0.00	2,783.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m and lift 1.5m. complete as per specifications. specification. e) 12mm chips	Cum	0.00	1,996.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	Supplying HDPE pipes conforming to IS 4984:1995 with latest amendments and conveying to work site including loading and unloading at both destination and rolling, lowering into trenches, laying true to line and jointing of pipes and specials (excluding cost of specials) giving hydraulic test as per relevant ISS with all lead and lift including encasing the pipe alround to a depth of not less than 15cms with soft gravel or selected earth available from the excavation, testing and commisssioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, Stub ends, flanged sets, bends, reducers etc., complete (contractor will make his own arrangements for procuring water for testing)etc. For:HDPE Grade PE80-PN6 0,630mm dia.(Perforormed Pipe for Rain Water Harvesting Pit)	m	0.00	11,363.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	*Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified in drawings or as per approved by Engineer incharge.*	Sqm	0.00	74.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00

me of Work: :Improvements to Roads, drains and othar developmental works in ward No-03 & 04. Under road development head in Chief Minister Nava Nagarothan Grants of Yalahanka divison. (Package 1)

me of Agency: Sri. B B Umesh (M/s SMLP Asphalts)

Description of Item	unit	Modified schedule B			Previous Measurements		Present Measurements		Total upto date	
		Qty	Rate	Amount	Qty	Amount	Qty	Amount	Qty	Amount
KSRB 5-14.1 : Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.with solid concrete blocks of size 400x150x200mm KBS No.5.4. PWD SR 2018-19. Item No 5.27.2. Page No 27.	Sqm	654.44	1,060.69	6,94,157.31	0.00	0.00	654.28	6,93,987.60	654.28	6,93,987.60
KSRRB M300- Wrought iron and mild steel welded work KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.	Quintal	5.07	7,999.13	40,546.00	0.00	0.00	5.03	40,264.43	5.03	40,264.43
			Total	12,47,58,600.60		5,57,07,751.23		6,90,43,550.94		12,47,51,302.16
			12% GST	1,49,71,032.07		66,84,930.15		82,85,226.11		1,49,70,156.26
			Grand Total	13,97,29,632.67		6,23,92,535.16		7,73,28,777.05		13,97,21,458.42
			Amount in Words	Rupees Seven Crore Seventy Three Lakh Twenty Eight Thousand Seven Hundred Seventy Seven and Paise Five Only						

Certified that the contractor has done the work satisfactorly
Certified that the debris has been removed from the site
Certified that the No dues from the contractor
Certified that the above item of the work were not claimed in any other bill

Asst Engineer
Yalahanka Division
BBMP

TEJUS CONSULTANTS

Assistant Executive Engineer
Yalahanka Division
BBMP

Executive Engineer
Yalahanka Division
BBMP

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6683583=00 8279724=67 1463308-
62380114=00 77277429.65 13965754-